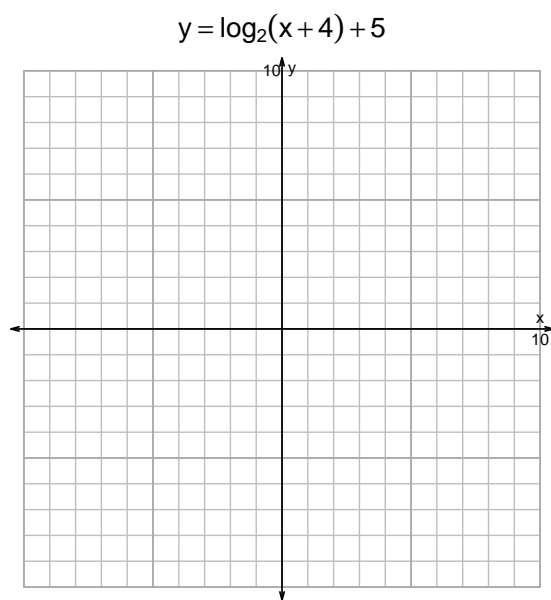
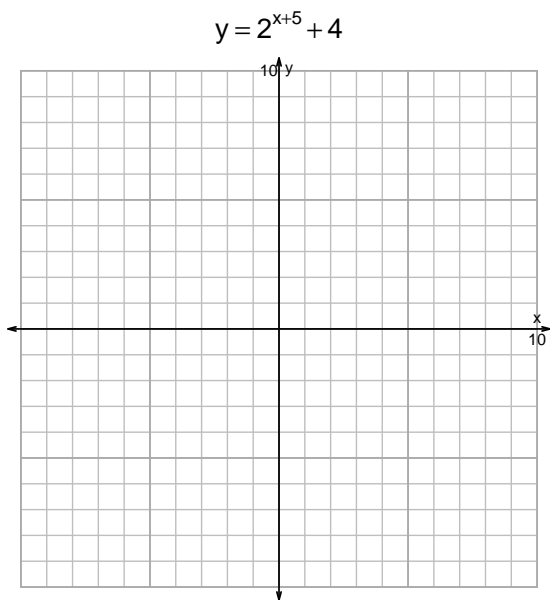


Name: _____

Date: _____

S18QUIZ: EXP LOG (PRACTICE v117)

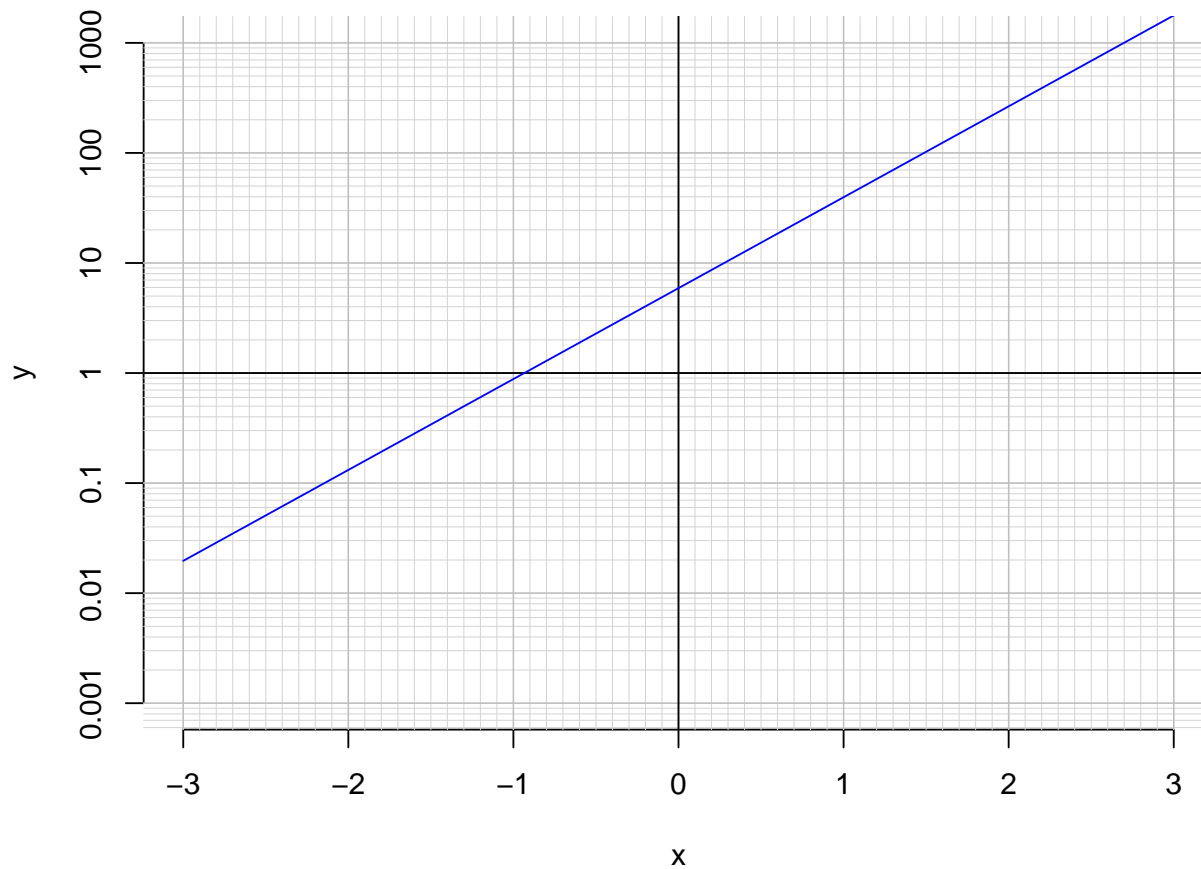
1. Graph $y = 2^{x+5} + 4$ and $y = \log_2(x + 4) + 5$ on the grids below. Also, draw any asymptotes with dotted lines.



2. Write (but do not evaluate) the solution to the equation below by writing a logarithmic expression.

$$19 = \left(\frac{4}{3}\right) \cdot 2^{7t/5}$$

3. An exponential function $f(x) = 5.91 \cdot e^{1.9x}$ is graphed below on a semi-log plot.



- a. Using the plot above, evaluate $f(-2.2)$.

- b. Express $f^{-1}(x)$, the inverse of f .

- c. Using the plot above, evaluate $f^{-1}(70)$.